



CITY COUNCIL

AGENDA REQUEST

AGENDA OF:	04-17-12	AGENDA REQUEST NO:	VIII-A
INITIATED BY:	IDAHOA IGBINOBA, R.S., PMP ENGINEER I <i>IUI</i>	RESPONSIBLE DEPARTMENT:	ENGINEERING
PRESENTED BY:	TIMOTHY JAHN, P.E. SENIOR ENGINEER <i>TWJ</i>	DIRECTOR:	CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER <i>CLS</i>
		ADDITIONAL DIRECTOR (S):	SUELEN STAGGS, DIRECTOR OF UTILITIES <i>SS</i>

SUBJECT / PROCEEDING:	COLLECTION SYSTEM CRITICAL LINE REHABILITATION PROJECT CIP1101 AUTHORIZE CONSTRUCTION CONTRACT WITH REPIPE CONSTRUCTION, LLC
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EXHIBITS:	LOCATION MAP HDR, INC. RECOMMENDATION LETTER W/BID TAB SIGNED CONSTRUCTION CONTRACT WITH REPIPE CONSTRUCTION, LLC
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CLEARANCES		APPROVAL	
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LEGAL:	N/A	ASSISTANT CITY MANAGER:	KAREN DALY <i>Kd</i>
PURCHASING:	TODD REED, CPPB PURCHASING MANAGER <i>TR</i>	ASSISTANT CITY MANAGER:	N/A
BUDGET:	JENNIFER BROWN <i>JB</i> DIRECTOR OF BUDGET & RESEARCH	CITY MANAGER:	ALLEN BOGARD <i>Allen Bogard</i>

BUDGET	
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EXPENDITURE REQUIRED: \$	1,775,379.35
CURRENT BUDGET: \$	2,300,00.00 (WITHIN CIP WW1101)
ADDITIONAL FUNDING: \$	N/A

RECOMMENDED ACTION	
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Authorize execution of a construction contract with RePipe Construction, LLC, for the Collection System Critical Line Rehabilitation Project, CIP WW1101, in a maximum amount of \$1,775,379.35.

EXECUTIVE SUMMARY

The City of Sugar Land's wastewater collection system includes approximately 2.1 million linear feet of sanitary sewer pipe, nearly 100 lift stations, and approximately 10,050 sanitary sewer manholes, and two (2) wastewater treatment plants. The flows of these two treatment plants are conveyed by gravity sewer mains, force mains, lift stations, and gravity interceptor mains.

A Sanitary Sewer Evaluation Survey and Infiltration/Inflow Study (Phase 1 Study) was performed by HDR Engineering, Inc. (HDR) in December 2009 as an aid to the City in identifying areas that are experiencing high volumes of infiltration and inflow and to prioritize the lift station infrastructure and service area for further investigation. In addition, the Phase 1 Study included a GIS-based risk rating system to identify critical line segments based on factors such as size, material, age, and depth. Four project areas (Areas A, B, C, and D) were identified in the study as infrastructure needing repair and were ordered and ranked by importance based on the GIS risk rating system, with Area A being the highest priority. Area A was identified as infrastructure with the deepest gravity sanitary sewer lines (critical line category) and gravity sewer lines that serve lift stations with high peaking factors.

Following completion of the 2009 Phase 1 Study, HDR completed a Pre-Design Report for Area A in April 2011. The Area A Pre-Design Report provided recommendations for the rehabilitation of the sanitary sewer lines identified under the critical lines category as well as other recommendations. These critical lines (greater than 15-ft in depth) equal about 18,900 linear feet ranging from 8-inch to 36-inch in diameter, and are located intermittently throughout the City. Through observations of television inspection, these line segments showed increased deterioration levels including significant tuberculation, root intrusion, collapsed sections, offset joints, longitudinal cracks and broken/collapsed services and are prime candidates for full length rehabilitation. These segments become critical in an emergency repair situation due to the location and depth of the lines and the additional manpower and resources required to perform the work. Rehabilitation of these critical lines will help the City to comply with the TCEQ Sanitary Sewer Overflow (SSO) Program.

HDR Engineering, Inc. (HDR) completed the design in January and an Invitation to Bid was advertised on February 22 and 29, 2012. The project was bid with a base bid and supplemental bid plus five (5) add alternate bids. Four bids were received on March 15, 2012. Each bid was evaluated and checked for mathematical errors and/or bid irregularities. One of the bidders, Cruz Tec, Inc., withdrew their bid due to errors in their bid form. The three responsible bids ranged from \$1,775,379.35 to \$2,161,697.25. The lowest responsible bidder is RePipe Construction, LLC, with a total bid of \$1,775,379.35 (base bid, supplemental bid, plus 4 add alternates). The add alternates 1 and 2 provided an either/or option for the associated manhole rehabilitation liner protection. Add alternates 3, 4, and 5 included additional rehabilitation work that the City is able to afford due to the competitive bids that were received.

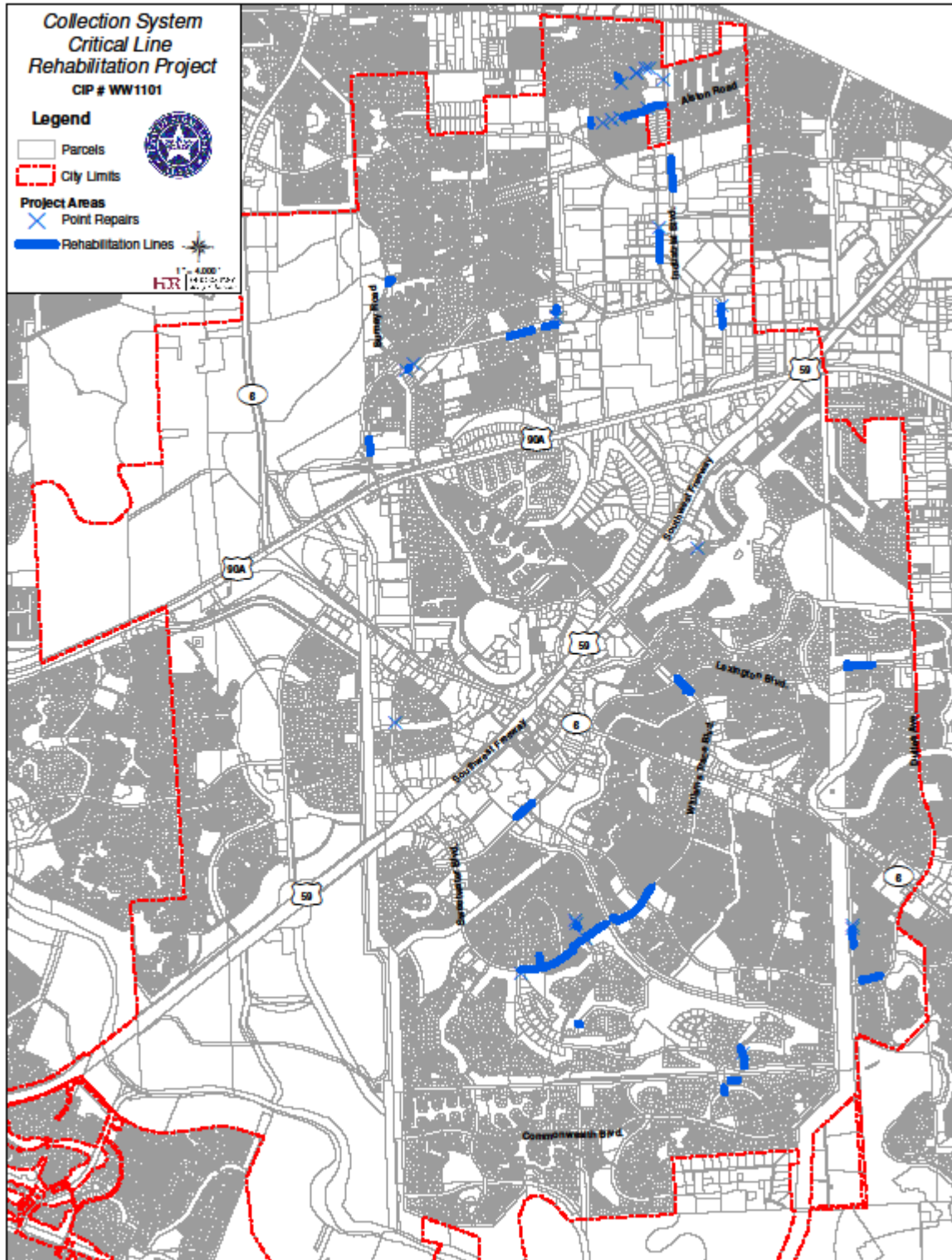
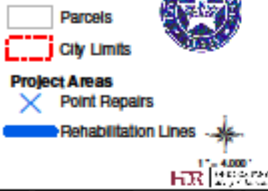
HDR completed an extensive reference review and evaluation and provided a letter of recommendation indicating RePipe Construction, LLC, is capable of completing a project of this nature and that the bid is fair and equitable based on the scope of work and current material and labor costs for this type of project. Funding for this construction phase is budgeted in WW1101. Upon the issuance of the Notice to Proceed, the project is scheduled to be completed in 300 calendar days after approval of Notice to Proceed.

The Engineering and Utilities Departments recommend that the City Council authorize the execution of a construction contract with RePipe Construction, LLC, for the Collection System Critical Line Rehabilitation Project-CIP WW1101 in a maximum amount of \$1,775,379.35.

EXHIBITS

Collection System
Critical Line
Rehabilitation Project
CIP # WW1101

Legend





ONE COMPANY | *Many Solutions®*

March 16, 2012

Mr. Idahosa U. Igbinoba
Engineer I
2700 Town Center Blvd. North
Sugar Land, Texas 77479

Re: Collection System Critical Line Rehabilitation Project
City of Sugar Land
HDR Job No. 11-050, CIP WW1101

Dear Mr. Igbinoba,

On March 15, 2012, the City of Sugar Land received four (4) bids for the above referenced project. The project involves the rehabilitation of approximately 18,900 linear feet of 8-inch to 36-inch sanitary sewer trunk main by trenchless rehabilitation (cured in place and pipe bursting). The project also included five (5) add alternate bids for associated manhole rehabilitation work and additional trenchless rehabilitation.

The following is a summary of our bid evaluation:

Bid Tabulation Sheet – Four (4) construction firms participated in the bidding process. Each bid was checked for mathematical errors and/or bid irregularities. Cruz Tec, Inc. withdrew their bid due to errors in their bid form. The project was bid with a base bid and supplemental bid plus five (5) add alternate bids. Add alternates 1 and 2 provided options for the associated manhole rehabilitation. Add alternates 3, 4, and 5 included additional rehabilitation work. As directed by City staff, the based bid and supplemental plus Add Alternates 2, 3, 4, and 5 were utilized as a basis for award of this contract. The bids for the total project are as follows:

Contractor	Base Bid plus Supplemental	Add Alternate 2 Bid	Total Add Alternate 3, 4, & 5 Bids	Total Bid
RePipe Construction	\$1,377,629.35	\$246,300.00	\$151,450.00	\$1,775,379.35
Reynolds Inliner	\$1,568,498.25	\$227,775.00	\$258,125.00	\$2,054,398.25
Insituform	\$1,742,056.00	\$239,731.25	\$179,910.00	\$2,161,697.25

Based on the total bid noted above, RePipe Construction, LLC (RePipe), was the low bidder for the project. HDR has worked with RePipe on other projects with other municipalities. RePipe has performed satisfactorily on these projects. RePipe appears to be a responsible firm that is capable of performing the specified work in a satisfactory manner.

HDR Engineering, Inc.
Texas Registered Engineering Firm F-754

4635 Southwest Freeway
Suite 1000
Houston, TX 77027-7139

Phone: (713) 622-9264
Fax: (713) 622-9265
www.hdrinc.com

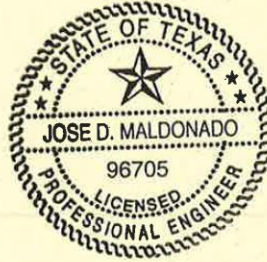
For these reasons, we recommend that the City of Sugar Land award the Collection System Critical Line Rehabilitation Project to RePipe Construction, LLC for the total amount of \$1,775,379.35.

Sincerely,

HDR ENGINEERING, INC.

Jose D. Maldonado

Jose D. Maldonado, P.E.
Project Manager



3/16/12

Cc: Mr. Timothy W. Jahn, P.E. – City of Sugar Land
Mr. Pete Polito – City of Sugar Land
Mr. Jason Poscovsky – City of Sugar Land

CITY OF SUGAR LAND
STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS
(Not For Building Construction Projects)
(Rev. 1-24-12)

This City of Sugar Land Standard Contract for Civil Engineering Construction Projects (Contract) is made between the City of Sugar Land, Texas (City), and the Contractor. The City and the Contractor agree to the terms and conditions of this Contract, which consists of the following:

- I. Summary of Contract Terms
- II. Standard Contractual Provisions
- III. Contract Documents
- IV. Signatures

I. Summary of Contract Terms.

Project: Collection System Critical Line Rehabilitation Project

Contractor: RePipe Construction, LLC

Name of Engineering Firm, if any: HDR Engineering, Inc.

Name of Owner's Project Manager: Idahosa Igbinoba

Base Bid: \$ \$1,377,629.35

Alternate Bid Item Nos.: 2, 3, 4, & 5

Total Alternate Bid Items Amount: \$ 397,750.00

Contract Price (Base Bid + Alternates): \$ 1,775,379.35, as may be adjusted by Change Orders

Effective Date of Contract: On the latest date of the dates executed by both parties

Date to Begin Work: Date specified in Notice to Proceed

Substantial Completion: Contractor must achieve Substantial Completion within **300** Calendar Days from date specified in Notice to Proceed, as the time may be adjusted by Change Order

Final Completion: Contractor must complete the Punch List within **30** Calendar Days from Substantial Completion

Liquidated Damage Amount for Failure to Meet Time for Substantial Completion: **\$500** per Calendar Day

Liquidated Damage Amount for Failure to Complete Punch List Items by Time for Final Completion: \$50 per Calendar Day

[The Legal Department has prepared this form contract for use by City employees without further legal review. The form allows for employees to insert information in specific provisions as necessary to complete the contract. The remaining Contract provisions are "read only" and may only be changed by the Legal Department. The Legal Department's signature on the contract assumes that City employees have not changed the form.]

III. Contract Documents. The Contractor must comply with the following additional Contract Documents, which are part of this Contract and are incorporated by reference:

1. General Conditions
2. Special Conditions, if any
3. Engineer's Specifications, including any special shoring requirements
4. Engineer's Plans
5. Contractor's Bid for the Project
6. Performance Bond
7. Payment Bond
8. Labor Classification and Minimum Wage Rates
9. State of Texas Workers' Compensation Insurance Coverage Addendum
10. Minimum Insurance Policy Limits for Large Construction Projects
11. Notice to Proceed
12. Contractor's Affidavit of Bills Paid
13. Notice to Bidders
14. Instructions to Bidders
15. Change Orders
16. Addenda
17. Conflict of Interest Questionnaire
18. Geo-Tech Report (if Contract involves trench excavation exceeding depth of five feet)

If there is a conflict between or among the terms of the Contract the City will determine which provision applies.

IV. Signatures. By signing below, the parties agree to the terms of this Contract:

CITY OF SUGAR LAND

By: _____

Name: _____

Title: _____

Date: _____

CONTRACTOR:

By: RePIPE Construction LLC

Name: U.C. Bell

Title: General Manager

Date: 3/16/12